

Land Treatment Program

Land treatment is defined as the construction or installation of practices to prevent or reduce soil erosion, water contamination, and the overuse of both surface water and groundwater. Many land treatment practices result in an additional benefit — the creation of habitat for wildlife.

The purpose of the Land Treatment Program is to provide soil and water conservation incentives throughout the Upper Big Blue NRD. The District's technical guidelines and cost-share procedures generally coincide with USDA (United States Department of Agriculture) and Nebraska Department of Natural Resources (NDNR) programs. Cost-sharing rates are based on county average costs determined by the Farm Services Agency (FSA) county committee.

The Land Treatment Program receives funding for public disbursement from the NDNR. An ancillary program within the auspices of Land Treatment is the Buffer Strip Program which receives funding from the Nebraska Department of Agriculture. The District's board also budgets local tax dollars to fund the balance of the Land Treatment Program.

The following are the types of practices that comprise Land Treatment:

- Basin** — sediment control.
- Brush Management.**
- Buried pipelines** — underground water supply from well to pivots converting to gravity.
- Buried return lines** — irrigation water for gravity systems.
- Dam** — water impoundment.
- Diversions.**
- Drip irrigation** — subsurface.
- Grade stabilization structures.**
- Mechanical outlets.**
- Pasture planting.**
- Pit-less irrigation water reuse systems.**
- Pivot re-nozzle** — low or medium pressure for pivot systems.
- Planned grazing system.**
- Reuse pits** — irrigation water collection for gravity systems.
- Sprinkler Irrigation Systems** — pivot and lateral move.
- Stream bank stabilization.**
- Surge valve** — irrigation.
- Terrace System.**
- Waterway** — grassed.
- Windbreak planting.**
- Windbreak renovation.**

Special programs administered by the NRD include:

- 1). Buffer Strip.
- 2). Dry Hydrant.
- 3). Conservation Reserve Enhancement Program (CREP).

Land Treatment Cost-sharing

There were two sources of cost-share assistance available to area landowners for installing conservation practices on their land. The Nebraska Soil and Water Conservation Program (NSWCP) and the Upper Big Blue NRD offer the incentives through the Land Treatment Program. The cost-share programs placed primary importance on water conservation, water quality, and erosion control practices.

The Natural Resources Conservation Service (NRCS) is a vital federal agency partner of the Upper Big Blue NRD as both entities work together to facilitate various aspects of the District's Land Treatment Program. Local NRCS personnel provide technical assistance and other conservation services to farmers and landowners.

For the past several years, the Nebraska Buffer Strip Program, which is funded and administered by the Nebraska Department of Agriculture, has been a popular conservation program aimed at protecting surface water. The Buffer Strip Program encourages landowners to establish vegetative buffer strips along shorelines of perennial and/or intermittent streams and permanent bodies of water that are adjacent to cropland. Buffer strips reduce the levels of sediment and other pollutants reaching the surface water. Funding comes from a fee assessed on all pesticides registered for use in Nebraska.

It is the NRD's policy to exhaust state funds from NSWCP before tapping into NRD funds, as NRD funds are generated by local taxes.

The following pages contain tables summarizing Land Treatment Program cost-sharing practices by county, number of practices and cost of practices.

Data has shown a high level of interest for installing land treatment practices throughout the District.

PROJECTS DEPARTMENT: Land Treatment



The following three tables define the Land Treatment program by “*Expended Land Treatment Funds Per County*” (Table LT-1), “*Number of Practices By Type of Land Treatment*” (Table LT-2) and “*Cost of Practices by Type of Land Treatment*” (Table LT-3). A total of 117 practices were given cost-share assistance in fiscal year 2008, for a total cost of \$287,670.16.

The *Nebraska Soil & Water Conservation Program* (NSWCP) state share was \$118,117.24, with the remainder share of \$169,552.92 coming from the *Upper Big Blue NRD*.

Table LT-1. EXPENDED LAND TREATMENT FUNDS PER COUNTY FY2008				
County	NRD	NSWCP	Total \$	% of Total
Adams	\$8,234.00	\$0.00	\$8,234.00	2.86%
Butler	\$11,632.00	\$57,329.92	\$68,961.92	23.97%
Clay	\$7,216.22	\$8,325.34	\$15,541.56	5.40%
Fillmore	\$19,149.88	\$315.62	\$19,465.50	6.77%
Hamilton	\$50,693.60	\$16,125.03	\$66,818.63	23.23%
Polk	\$0.00	\$2,954.00	\$2,954.00	1.03%
Saline	\$0.00	\$0.00	\$0.00	0.00%
Seward	\$24,782.50	\$16,018.70	\$40,801.20	14.18%
York	\$47,844.72	\$17,048.63	\$64,893.35	22.56%
TOTAL	\$169,552.92	\$118,117.24	\$287,670.16	100.00%

COUNTIES

Percentage of Upper Big Blue NRD Land Area by County	
Adams =	2.6%
Butler =	8.8%
Clay =	8.7%
Fillmore =	15.2%
Hamilton =	16.9%
Polk =	9.0%
Saline =	2.1%
Seward =	16.2%
York =	20.3%



Although aesthetically pleasing, undulating landscapes with uncontrolled waterways can present many challenges such as flooding and soil erosion. This can cause irrigation run-off and possible water contamination.

PROJECTS DEPARTMENT: Land Treatment

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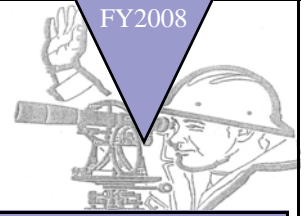


Table LT-2. NUMBER OF PRACTICES BY TYPE OF LAND TREATMENT FY2008

Practice Type	NRD	NSWCP	Total #	% of Total
Basin — sediment control	0	2	2	1.71%
Brush Management	1	0	1	0.85%
Buried pipelines — underground water supply from well to pivots converting from gravity	6	5	11	9.40%
Buried return lines — irrigation water for gravity systems	-	-	-	-
Dam — water impoundment	0	1	1	0.85%
Diversions	-	-	-	-
Drip Irrigation — subsurface	1	0	1	0.85%
Grade stabilization structures	-	-	-	-
Mechanical outlets	-	-	-	-
Pasture planting	2	0	2	1.71%
Pit-less irrigation water reuse systems	-	-	-	-
Pivot re-nozzle — low or medium pressure for pivot systems	14	18	32	27.35%
Planned grazing system	-	-	-	-
Reuse pit — irrigation water collection for gravity systems	-	-	-	-
Sprinkler Irrigation System — pivot and lateral move	14	0	14	11.97%
Stream bank stabilization	-	-	-	-
Surge valve — irrigation	-	-	-	-
Terrace system	6	16	22	18.80%
Waterway — grassed	0	2	2	1.71%
Windbreak planting	27	2	29	24.78%
Windbreak renovation	-	-	-	-
TOTAL	71	46	117	100.00%

NOTE: Water meter (flow meters): Cost-share provided through the "Nebraska Environmental Trust" as a three year grant and is now being administered through the NRD Water Department.

PROJECTS DEPARTMENT: Land Treatment

Table LT-3. COST OF PRACTICES BY TYPE OF LAND TREATMENT FY2008

Practice Type	NRD	NSWCP	Total #	% of Total
Basin — sediment control	\$0.00	\$7,051.66	\$7,051.66	2.45%
Brush Management	\$4,727.76	\$0.00	\$4,727.76	1.64%
Buried pipelines — underground water supply from well to pivots converting from gravity	\$13,360.36	\$12,853.46	\$26,213.82	9.11%
Buried return lines — irrigation water for gravity systems	-	-	-	-
Dam — water impoundment	\$0.00	\$5,000.00	\$5,000.00	1.74%
Diversions	-	-	-	-
Drip irrigation — subsurface	\$5,000.00	\$0.00	\$5,000.00	1.74%
Grade stabilization structures	-	-	-	-
Mechanical outlets	-	-	-	-
Pasture planting	\$1,492.49	\$0.00	\$1,492.49	0.52%
Pit-less irrigation water reuse systems	-	-	-	-
Pivot re-nozzle — low or medium pressure for pivot systems	\$20,978.14	\$30,241.02	\$51,219.16	17.80%
Planned grazing system	-	-	-	-
Reuse pit — irrigation water collection for gravity systems	-	-	-	-
Sprinkler Irrigation System — pivot and lateral move	\$67,500.00	\$0.00	\$67,500.00	23.46%
Stream bank stabilization	-	-	-	-
Surge valve — irrigation	-	-	-	-
Terrace system	\$27,800.89	\$60,161.59	\$87,962.48	30.58%
Waterway —grassed	\$0.00	\$1,833.31	\$1,833.31	0.64%
Windbreak planting	\$28,693.28	\$976.20	\$29,669.48	10.31%
Windbreak renovation	-	-	-	-
TOTAL	\$169,552.92	\$118,117.24	\$287,670.16	100.00%

PROJECTS DEPARTMENT: Land Treatment

Table LT-4. PERCENTAGE of FUNDING DIRECTED to UNIFIED TYPES of LAND TREATMENT PRACTICES: Fiscal Years 2003-08

Types of Practices Unified	FY2003 %	FY2004 %	FY2005 %	FY2006 %	FY2007 %	FY2008 %
Terrace Systems; Diversions; Outlets; Waterways	29.71	4.45	10.56	13.2	15.5	31.2
Irrigation Practices	56.36	84.75	72.47	71.2	69.8	52.1
Grade Stabilization Structures; Dams; Sediment Basins	6.78	3.68	5.98	4.6	3.4	4.2
Windbreak Renovation Windbreak Tree Planting	3.61	5.25	6.73	9.2	7.6	10.3
Streambank Stabilization	0.0	0.0	0.0	0.0	0.0	0.0
Brush Management; Planned Grazing; Pasture Planting	3.54	1.86	4.26	1.8	3.6	2.1
TOTAL	100%	100%	100%	100%	100%	100%

% Colored box denotes highest percentage of funding in each category over the last six fiscal years.

Terrace systems provide an earthen embankment around a hillside that stops water flow and stores it or guides it safely off a field. Terraces work to break long slopes into shorter ones. They usually follow the contour of the parcel they are built upon. As water makes its way down a hill, terraces serve as small dams to intercept water and guide it to an outlet.

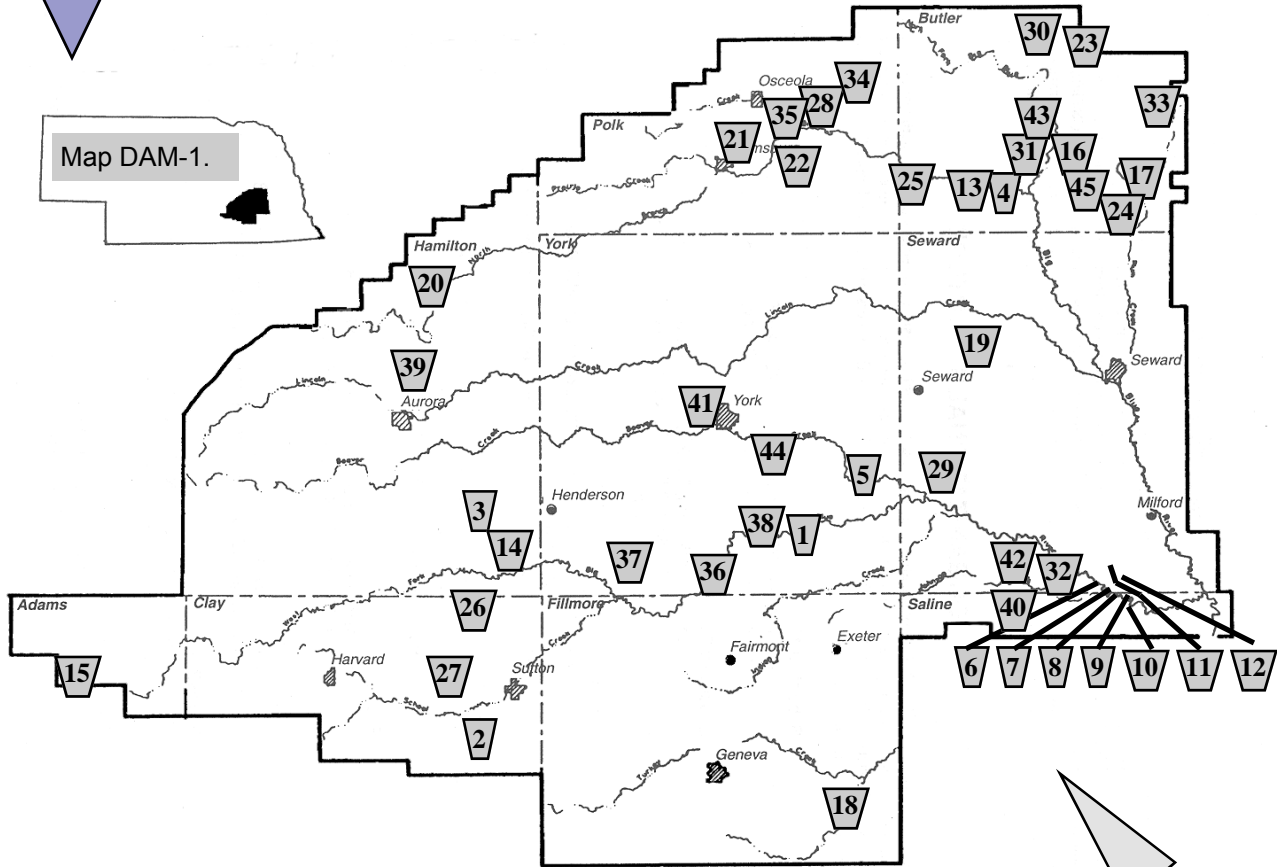
There are two basic types of terraces---storage terraces and gradient terraces. Storage terraces collect water and store it until it can infiltrate into the ground or be released through a stable outlet. Gradient terraces are designed as a channel to slow runoff water and carry it to a stable outlet like a grassed waterway.

How it helps...

Both water quality and soil quality are improved. Terraces with grass on front or backslopes can provide nesting habitat.

Upper Big Blue NRD's Established Dam Sites 1972-2008

Map DAM-1.



1 Bailey	York	NW4 18-09-01W	24 Moravek	Butler	SW4 31-13-03E
2 Benson	Clay	NW4 21-07-05W	25 Noble	Butler	NE4 30-13-01E
3 Bergen	Hamilton	SE4 03-09-05W	26 Nuss	Clay	SW4 05-08-05W
4 Bruner	Butler	NW4 25-13-01E	27 Percival-Ericson	Clay	NE4 07-07-05W
5 Bulgrin	York	NE4 33-10-01W	28 Ransom	Polk	SE4 27-14-02W
6 Dorchester 1A	Saline	NE4 08-08-03E	29 Smith Creek	Seward	SW4 28-10-01E
7 Dorchester 2A	Saline	W2 09-08-03E	30 Struebing	Butler	SW4 02-14-02E
8 Dorchester 3A	Saline	SE4 09-08-03E	31 Urbank-Hoeft	Butler	NE4 17-13-02E
9 Dorchester 4A	Saline	SW4 10-08-03E	32 Vavra-Semler	Saline	NW4 07-08-03E
10 Dorchester 4-1	Saline	NW4 15-08-03E	33 Vrbka	Butler	SW4 24-14-03E
11 Dorchester Ch. 1	Saline	NW4 04-08-03E	34 Don & Earl Watts	Polk	SE4 19-14-01W
12 Dorchester Ch. 3	Saline	NE4 09-08-03E	35 Merle Watts	Polk	SE4 33-14-02W
13 Dunker	Butler	NE4 26-13-01E	36 Weiss	York	NE4 26-09-03W
14 Friesen	Hamilton	SW4 12-09-05W	37 Siebert	York	NE4 22-09-04W
15 Hastings NW	Adams	NE4 34-08-10W	38 Albrandt	York	NE4 16-09-02W
16 Hottovy	Butler	NW4 14-13-02E	39 Pioneer Trails	Hamilton	NW4 35-11-06W
17 Hromas	Butler	NE4 30-13-03E	40 Johnson Creek 46	Saline	SE4 09-08-02E
18 Kassik	Fillmore	NW4 15-06-01W	41 Recharge Lake	York	NW4 02-10-03W
19 Langworthy-Reinmiller	Seward	NW4 19-11-02E	42 Johnson Creek 12	Saline	SE4 04-08-02E
20 Larson	Hamilton	SE4 14-12-06W	43 Stara	Butler	SW4 04-13-02E
21 Larson, Alan	Polk	SE4 32-14-02W	44 Overland Trails	York	NW4 15-10-02W
22 Mentink	Polk	NE4 10-13-02W	45 Oxbow Trails	Butler	SW4 23-13-02E
23 Miller	Butler	NE4 07-14-03E			

Listing of established dam sites 1972-2008. (Dams are plotted by corresponding number on above map).

The following pages list Drainage, Storage Area & Construction Cost pertaining to each dam site.

Upper Big Blue NRD's Dam Site Specifications

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Table DAM-1. UPPER BIG BLUE NRD DAMS: DRAINAGE, STORAGE AREA & COSTS

PROJECT NAME	COUNTY	LOCATION	*TYPE	DATE OF COMPLETION	DRAIN AREA (acres)	PERM. POOL (ac. ft.)	FLOOD POOL (ac. ft.)	TOTAL POOL (ac. ft.)	NRD's COST	OTHER's COST	TOTAL PROJECT COST
(1) Bailey	York	NW4 18-09-01W	BF	5/80	845	55	305	360	\$50,309	\$16,769	\$67,078
(2) Benson	Clay	NW4 21-07-05W	AB	10/79	573	10	115	125	\$8,622	\$6,195	\$14,817
(3) Bergen	Hamilton	SE4 03-09-05W	ABC	12/79	1,845	80	520	600	\$45,708	\$22,589	\$68,297
(4) Bruner	Butler	NW4 25-13-01E	AB	9/77	394	9	36	45	\$8,432	\$8,432	\$16,864
(5) Bulgrin	York	NE4 33-10-01W	AB	11/78	200	22	50	72	\$8,173	\$5,448	\$13,621
(6) Dorchester 1A	Saline	NE4 08-08-03E	BCH	1965	845	128	150	278	N/A	N/A	N/A
(7) Dorchester 2A	Saline	W2 09-08-03E	BCH	1965	1,140	125	234	359	N/A	N/A	N/A
(8) Dorchester 3A	Saline	SE4 09-08-03E	BCH	1965	314	43	48	91	N/A	N/A	N/A
(9) Dorchester 4A	Saline	SW4 10-08-03E	BCH	1965	816	67	171	238	N/A	N/A	N/A
(10) Dorchester 4-1	Saline	NW4 15-08-03E	G	1965	637	3	26	29	N/A	N/A	N/A
(11) Dorchester Ch. 1	Saline	NW4 04-08-03E		1965	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(12) Dorchester Ch. 3	Saline	NE4 09-08-03E		1965	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(13) Dunker	Butler	NE4 26-13-01E	AB	10/77	85	12	14	26	\$5,162	\$5,162	\$10,324
(14) Friesen	Hamilton	SW4 12-09-05W	AB	12/79	2,304	80	833	913	\$122,001	\$41,500	\$163,501
(15) Hastings NW	Adams	NE4 34-08-10W	ABCF	9/80	2,295	145	666	811	\$43,021	\$818,869	\$861,890
(16) Hoffoy	Butler	NW4 14-13-02E	AB	8/77	264	14	35	49	\$3,474	\$3,474	\$6,948
(17) Hromas	Butler	NE4 30-13-03E	AB	8/76	N/A	N/A	N/A	N/A	\$1,104	\$0	\$1,104
(18) Kassik	Fillmore	NW4 15-06-01W	ABF	11/78	685	33	133	166	\$10,602	\$7,312	\$17,914
(19) Langworthy-Reinmiller	Seward	NW4 19-11-02E	AB	6/76	258	3	25	28	\$3,491	\$6,267	\$9,758
(20) Larson	Hamilton	SE4 14-12-06W	ABC	10/77	2,066	50	247	297	\$20,316	\$20,315	\$40,631

*TYPE= A-Road Structure; B-Flood Control; C-Irrigation; D-Aquifer Recharge; E-Recreation; F-Fisheries; G-Erosion Control; H-Watershed Flood Control

Upper Big Blue NRD's Dam Site Specifications

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Table DAM-1. UPPER BIG BLUE NRD DAMS: DRAINAGE, STORAGE AREA & COSTS

PROJECT NAME	COUNTY	LOCATION	*TYPE	DATE OF COMPLETION	DRAIN AREA (acres)	PERM. POOL (ac. ft.)	FLOOD POOL (ac. ft.)	TOTAL POOL (ac. ft.)	NRD's COST	OTHER's COST	TOTAL PROJECT COST
(21) Larson, Alan	Polk	SE4 32-14-02W	AB	6/76	132	2	25	27	\$2,397	\$3,595	\$5,992
(22) Mentink	Polk	NE4 10-13-02W	B	12/76	3,640	30	247	277	\$21,743	\$0	\$21,743
(23) Miller	Butler	NE4 07-14-03E	B	8/80	450	24	25	49	N/A	N/A	N/A
(24) Moravek	Butler	SW4 31-13-03E	AB	8/77	250	15	67	82	\$6,313	\$4,209	\$10,522
(25) Noble	Butler	NE4 30-13-01E	AB	7/75	514	13	62	75	\$3,215	\$4,263	\$7,478
(26) Nuss	Clay	SW4 05-08-05W	B	12/77	1,277	29	90	119	\$14,316	\$17,498	\$31,814
(27) Percival-Ericson	Clay	NE4 07-07-05W	B	7/74	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(28) Ransom	Polk	SE4 27-14-02W	AB	9/79	285	30	55	85	\$15,588	\$9,680	\$25,268
(29) Smith Creek	Seward	SW4 28-10-01E	DEF	7/83	2,763	142	99	241	\$310,000	\$0	\$310,000
(30) Struebing	Butler	SW4 02-14-02E	BC	11/82	7,425	279	1,968	2,247	\$24,361	\$255,334	\$279,695
(31) Urbanek-Hoeft	Butler	NE4 17-13-02E	AB	8/75	800	10	45	55	\$3,215	\$4,262	\$7,477
(32) Vavra-Semler	Saline	NW4 07-38-03E	ABC	12/75	282	10	45	55	\$7,875	\$11,813	\$19,688
(33) Vrbka	Butler	SW4 24-14-03E	AB	12/80	112	13	21	34	\$6,110	\$6,110	\$12,220
(34) Don & Earl Watts	Polk	SE4 19-14-01W		11/77	103	3	35	38	\$3,096	4,650	\$7,746
(35) Merle Watts	Polk	SE4 33-14-02W	AB	6/76	140	0.20	22.80	23	\$2,397	\$3,595	\$5,992
(36) Weiss	York	NE4 26-09-03W	AB	11/78	413	23	83	106	\$10,980	\$8,320	\$19,300
(37) Siebert	York	NE4 22-09-04W	BC	6/84	1,591	43	94	137	\$34,139	\$4,000	\$38,139
(38) Albrandt	York	NE4 16-09-02W	G	11/85	600	N/A	N/A	N/A	\$45,770	\$15,256	\$61,026
(39) Pioneer Trails	Hamilton	NW4 35-11-06W	BDEF	12/86	5,210	277	263	540	\$111,233	\$335,386	\$446,619
(40) Johnson Creek-46	Saline	SE4 09-08-02E	BGH	1988	348	16	63	79	\$48,754	\$0	\$48,754

*TYPE= A-Road Structure; B-Flood Control; C-Irrigation; D-Aquifer Recharge; E-Recreation; F-Fisheries; G-Erosion Control; H-Watershed Flood Control

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Table DAM-1. UPPER BIG BLUE NRD DAMS: DRAINAGE, STORAGE AREA & COSTS (continued)

PROJECT NAME	COUNTY	LOCATION	*TYPE	DATE OF COMPLETION	DRAIN AREA (acres)	PERM. POOL (ac. ft.)	FLOOD POOL (ac. ft.)	TOTAL POOL (ac. ft.)	NRD'S COST	OTHERS' COST	TOTAL PROJECT COST
(41) Recharge Lake	York	NW4 02-10-03W	DEF	12/90	7,600	310	324	634	\$148,624	\$533,823	\$682,447
(42) Johnson Creek-12	Saline	SE4 04-08-02E	BGH	10/91	2,413	134	364	498	\$117,219	\$0	\$117,219
(43) Stara	Butler	SW4 04-13-02E	BC	12/93	2,918	N/A	N/A	N/A	\$94,231	\$0	\$94,231
(44) Overland Trails	York	NW4 15-10-02W	BDEF	1998	2,126	121	228	349	\$132,353	\$0	\$132,353
(45) Oxbow Trails	Butler	SW4 23-13-02E	BDEF	11/98	2,523	274	160	434	\$232,105	\$0	\$232,105
TOTALS:					59,481	2,677.2	7,993.8	10,671	1,726,449	2,184,126	3,910,575

*TYPE= A-Road Structure; B-Flood Control; C-Irrigation; D-Aquifer Recharge; E-Recreation; F-Fisheries; G-Erosion Control; H-Watershed Flood Control

Blue River Basin Groundwater Modeling Project Completed

The Blue River Basin Groundwater Modeling Project was completed in August 2008 after 24 months of research, compiling data and running computer models at a total cost of \$142,125.00. The project funding gained a head of steam at the September 2006 Nebraska Natural Resources Commission Board meeting of the Nebraska Department of Natural Resources, when the Commissioners approved a \$105,600 grant application for the Blue Basin Groundwater Model.

The Upper Big Blue NRD's Projects Department and Water Department teamed up to work on the Groundwater Computer Model for the Blue River Basin in Nebraska. The model objective was to provide a method for evaluating the impact of groundwater pumping on stream flow.

At the time of this printing, the model has been sent to the Nebraska Department of Natural Resources for their perusal and eventual acceptance. The model will be used to determine hydrologically connected groundwater and surface water. The Nebraska Department of Natural Resources (NDNR) considers that an aquifer is hydrologically connected to a stream if a well pumping groundwater from the aquifer causes a reduction in stream flow equal to or greater than 10% of the volume pumped from that well over a period of 50 years. The information from the model will be important in fully appropriated basin determinations. Full appropriation is designated in areas where stream flow is not adequate for existing surface water rights.

Part of the data collecting work required additional drilling and testing of riverbed conductance in the Blue River and tributaries. The Upper Big Blue NRD hired Hemenway Groundwater Engineering, Inc. (Parker, Colorado) to review the Blue Basin Groundwater Computer Model as per the scope of work. By the way, Hemenway Groundwater Engineering, Inc. also reviewed the Platte River Basin Groundwater Model last year that helped the NRD save 341,000 acres from becoming designated as "fully appropriated" by the Nebraska Department of Natural Resources.



Dr. Xunhong Chen and Dr. Mark Burbach, both of the University of Nebraska-Lincoln, conducted streambed conductivity tests on the West Fork Big Blue River. Streambed conductivity data was needed for the Blue Basin Groundwater Model. Eighteen sites were tested in the Blue River Basin.

Blue River Basin Groundwater Modeling Project Dimensions:

Computer Program

- ◆ USGS MODFLOW

Streams and Rivers

- ◆ Total stream length = 2,906 miles

Model Area Dimensions

- ◆ Number of geologic layers = 5
- ◆ Land surface area = 7,720 square miles
- ◆ Number of model cells = 123,520
- ◆ Model cell land area = 40 acres

Blue River Basin Groundwater Modeling Project Completed *Continued*

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Table Basin1. Blue River Basin Groundwater Modeling Project COSTS

Work task	Budget	Actual
Model Development & Model Documentation	\$51,000	\$54,380
Geology Interpretation & Model Layer Development	\$9,000	\$6,655
Stream Baseflow & Streambed Conductance	\$54,000	\$51,715
GIS Mapping; Database Preparation: Model Production Runs	\$9,000	\$19,065
Peer Review	\$9,000	\$13,310
TOTAL COST	\$132,000	\$145,125

The Upper Big Blue Crew: Jay Bitner (seated), Projects Department Manager, Marie Krausnick, Lead Water Resources Technician, and Jon Reiter, Water Resources Technician of the Water Department, were responsible for the development of the Blue River Basin Groundwater Modeling Project which covered over 7,700 square miles. The Blue River Basin is larger than the total land area of Connecticut, Rhode Island and the District of Columbia combined. The Project took 24 months to complete.



Table Basin2. Blue River Basin Groundwater Modeling Project FUNDING

Agency	Budget	Actual
State of Nebraska; IWMMF	\$105,600	\$116,100
Upper Big Blue NRD	\$8,800	\$9,675
Little Blue NRD	\$8,800	\$9,675
Lower Big Blue NRD	\$8,800	\$9,675
TOTAL COST	\$132,000	\$145,125

Detailed model information will be profiled in the FY2009 Annual Report. The model is currently at the Nebraska Department of Natural Resources for their perusal and eventual acceptance.

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Turn-of-the-century surveying party.